

Converting Colors

$Y_{xy}(28.5159, 0.2930, 0.5746)$

Have a look what the booklet for
Yxy(28.5159, 0.2930, 0.5746)
contains.

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Color

Yxy(28.5159, 0.2930, 0.5746)

Conversions

Conversions Part 1

Format	Color
Hex	00A926
RGB	0, 169, 38
RGB Percent	0%, 66%, 15%
CMY	0.9987, 0.3373, 0.8510
CMYK	1.00, 0.00, 0.78, 0.34
HSL	133°, 100%, 33%
HSV	133°, 100%, 66%
XYZ	14.5408, 28.5159, 6.5707
YIQ	103.5350, -58.6730, -76.5690

Conversions

Conversions Part 2

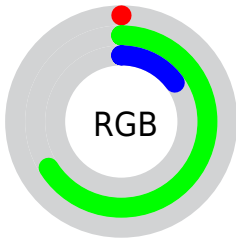
Format	Color
RYB	0, 138, 169
Decimal	43302
CIELab	60.35, -61.69, 53.19
CIELCh	60, 81.455, 139.229
Yxy	28.5159, 0.2930, 0.5746
Android (android.graphics.Color)	4278233382 (0xFF00A926)
YUV	103.5350, -32.3088, -90.8002
Hunter-Lab	53.4003, -44.8452, 30.0848

Details

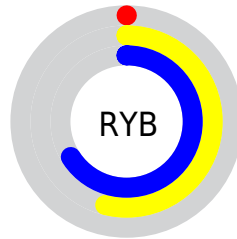
The Yxy color **28.5159, 0.2930, 0.5746** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.0899, 0.3862, 0.1902**, and the grayscale version is **13.8401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5627, 0.3043, 0.5184**, and **12.2615, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.5132, 0.2930, 0.5749**, and if you desaturate by 10%, it is **28.7364, 0.2908, 0.5563**.

Distribution



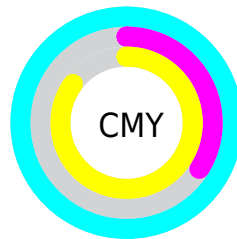
- Red (0%)
- Green (66%)
- Blue (15%)



- Red (0%)
- Yellow (54%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5159, 0.2930, 0.5746 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 28.5159, 0.2930, 0.5746 by changing the saturation by 10% instead.

 28.5159, 0.2930,
0.5746


 28.5159, 0.2930,
0.5746


294.9239, 0.3136,
0.4321


 18.7149, 0.2821,
0.6153


 57.3071, 0.3042,
0.5185

 11.4645, 0.2639,
0.6687


 77.0660, 0.3072,
0.4986

 6.3802, 0.2389,
0.7611


 100.9131, 0.3092,
0.4824

 3.0776, 0.1712,
0.8288

 129.2327, 0.3107,
0.4689

 1.1724, 0.0000,
1.0000

 162.4091, 0.3118,
0.4575

 0.0390, 0.0000,
1.0000

 200.8269, 0.3126,

 0.0000, 0.0000,

0.4478

0.0000

244.8704, 0.3131,
0.4394

■ 28.5159, 0.2930,
0.5746

■ 28.5159, 0.2930,
0.5746

■ 28.5132, 0.2930,
0.5749

■ 28.7364, 0.2908,
0.5563

■ 29.0904, 0.2894,
0.5333

■ 29.6209, 0.2893,
0.5068

■ 30.3484, 0.2905,
0.4783

■ 31.2905, 0.2929,
0.4492

■ 32.4629, 0.2961,
0.4210

■ 33.8796, 0.2999,
0.3944

■ 35.5537, 0.3041,
0.3700

■ 37.4972, 0.3085,
0.3481

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.5159, 0.4058, 0.5510



28.5159, 0.2930, 0.5746



28.5159, 0.1903, 0.4619

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.5159, 0.2930, 0.5746



28.5159, 0.1298, 0.1575



28.5159, 0.5353, 0.2999

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



28.5159, 0.2930, 0.5746



10.0899, 0.3862, 0.1902

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



28.5159, 0.4209, 0.2305



28.5159, 0.2930, 0.5746



28.5159, 0.1841, 0.1531

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.5159, 0.2930, 0.5746



28.5159, 0.1118, 0.1996



28.5159, 0.2839, 0.1784



28.5159, 0.5615, 0.3769

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.5159, 0.2930, 0.5746



28.5159, 0.1436, 0.3501



28.5159, 0.2839, 0.1784



28.5159, 0.5049, 0.2757

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



28.5171, 0.2930, 0.5746



60.4764, 0.2996, 0.3963



33.3180, 0.3818, 0.5350



12.9495, 0.2981, 0.4068



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.5171, 0.2930, 0.5746



51.0412, 0.2937, 0.5775



29.7628, 0.2508, 0.4228



8.4342, 0.3087, 0.3470



21.2584, 0.2926, 0.5733



0.5245, 0.2756, 0.5123

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.0899, 0.3862, 0.1902



18.0216, 0.3878, 0.1910



8.6565, 0.5799, 0.2970



7.6375, 0.3170, 0.3116



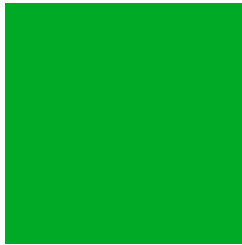
7.5215, 0.3856, 0.1898



0.1899, 0.3605, 0.1760

Previews

White Background



This preview shows how the Yxy color 28.5159, 0.2930, 0.5746 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 28.5159, 0.2930, 0.5746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.5159, 0.2930, 0.5746

Background



This preview shows how black text looks on a background with the Yxy color 28.5159, 0.2930, 0.5746.



This preview shows how white text looks on a background with the Yxy color 28.5159, 0.2930, 0.5746.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

28.5159, 0.2930, 0.5746

Protanopia

28.1416, 0.4314, 0.4763

Deuteranopia

27.8426, 0.4481, 0.4395



Tritanopia

28.3183, 0.2361, 0.3061

Trichromacy



Original Color

28.5159, 0.2930, 0.5746



Protanomaly

26.1698, 0.3556, 0.5302



Deuteranomaly

25.3450, 0.3645, 0.5040



Tritanomaly

27.4528, 0.2565, 0.4062

Monochromacy



Original Color

28.5159, 0.2930, 0.5746



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

17.1758, 0.2935, 0.4416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5159, 0.2930, 0.5746 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 169, 38)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 38)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 169, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 38) }
```

Border

The CSS property to change the border of an element to Yxy 28.5159, 0.2930, 0.5746 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 169, 38) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(0, 169, 38) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(0, 169, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 38);  
box-shadow:4px 4px 4px 4px rgb(0, 169, 38)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.5159, 0.2930, 0.5746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 38) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 169,  
38) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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